

GCCAGGTCTGGCACCATGCACTAGGATACCCAGAACGCTGCAAGGCCACGCC
 CTCCTCACTTCAGGGGTCACTCTCCCCATTGCCACCACCCACCATGGCTGGG
 GATCGGCTCCGAGGAAGGTGATGGACGCAAAGAAACTGGCCAGCCTGCTGC
 GTGGCGGGCTGGGGACCCCTGGTCATCGACAGCCGGTCCTCGTGGAGTAT
 AACAGCTGCCACGTGCTGAGCTCTGTAATATCTGCTGTTCAAAGCTGGTGAA
 GCGGCGCCTTCAGCAGGGAAAAGTGACAATTGCTGAGCTTATCCAGCCTGCTA
 CACGGAGCCAGGTGGATGCCACAGAACCCACAGGATGTAGTGGTGTATGACCA
 GAGCACACGAGATGCCAGCGTGCAGCAGACAGCTTCCTGTCCATCCTGC
 TCAGCAAGCTGGACGGCTGCTCGACAGTGTGGCCATCCTCACAGGAGGCTC
 GCCACCTCTCCTCCTGCTTCCCTGGCCTCTGTGAGGGCAAGCCTGCCACTCTA
 CCGTCCATGAGCCTCTCAGCCCTGCCTGCCAGTGTGGCCATGGGCTGACC
 CGAACCTGCCTCACCTCACCTGGCCTCTCAGAAAGATGTCTGAACAAGGA
 TCTGATGACCCAAAACGGAATAAGCTATGTCCTCAATGCCAGCAACTCCTGCC
 CTAACCGGACTTCATCTGTGAGAGCCGTTCATGCGTATCCCCATCAATGAC
 AACTACTGTGAAAAGCTGCTGCCCTGGCTGGACAAGTCCATCGAGTTATTGA
 TAAAGCCAAGCTGTCCAGCTGCCAAGTCATTGTTACTGTCTGGCTGGCATCTC
 TCGCTCTGCCACCATTGCCATCGCGTACATCATGAAAACCATTGGCATGTCTTC
 TGACGACGCATACAGGTTGTGAAGGATCGGCGCCCTCCATCTGCCCAACT
 TCAACTTCCTGGGCCAGTTGCTGGAGTATGAGAGGGAGTCTGAAGCTGCTGGCT
 GCCCTGCAGACTGATGGACCTCACTGGGGACCCCTGAGCCCTCATGGGCC
 GGCAGCAGGCATCCCACTGCCCGGCTGCCACCATCTACCTCAGAGAGCGCTG
 CCACTGGGAGCGAGGCAGCCACCGCAGCCAGGGAGGGAGCCAAAGTGTGG
 AGGGGATGCTCCGATCCCCCAGCACAGCTCCAGGCCACCAGCGCGTGCAGCAG
 GCCCTGCCTGGCCTGCACCTCTCCTGACCCCTCCAGGACACCAACCGCCT
 CAAGCGTTCTTTCCCTGGACATCAAGTCGGCTATGCACCCAGCAGGAGGC
 CCGACTTTCCCGGCCACCCGACCCCGGTGAAGCCCGAAGCTCTGCAAGCTG
 GACAGCCGCTCTGGGGCACACTGGGCTGCCCTGCCAGCCAGACAGGCC
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 GTTCGCCTGCCGCTCCCCCGCGCATGGTCTGGCCTGAACCTTGGAGACACG
 GCCCGGAGACTCCACGGCACGGCCTCTCGGCCCTGTCGGCCGGCTGCC
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 GGGTCCAGGCCTGTTCTCCGCTTGGCCGGTAAGTGCAGGCGCACCTG
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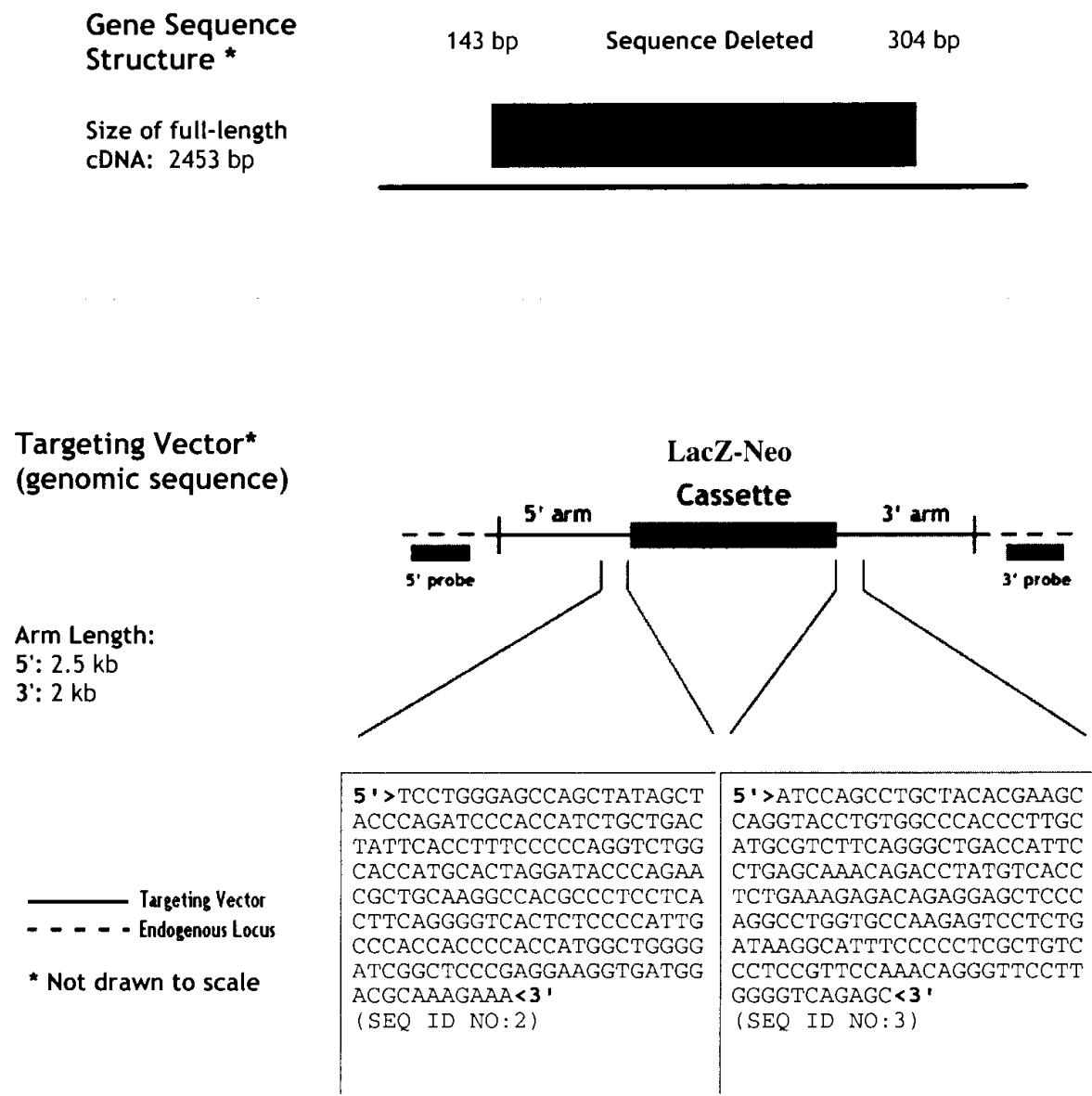
FIGURE 1

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[GCCAGGTCTGGCACCATGCACTAGGATACCCAGAACGCTGCAAGGCCACGCCCTCCTCAC
 TTCAGGGGTCACTCTCCCATTGCCACCCACCATGGCTGGGGATCGGCTCCCGAG
 GAAGGTGATGGACGCAAAGAAA] CTGGCCAGCCTGCTGCGTGGCGGGCTGGGGACCCCT
GGTCATCGACAGCCGGTCTCGTGGAGTATAACAGCTGCCACGTGCTGAGCTGTGAA
TATCTGCTGTTCAAAGCTGGTGAAGCGGCCCTCAGCAGGAAAAGTGACAATTGCTGA
GCTT [ATCCAGCCTGCTACACGGAGCCAG] GTGGATGCCACAGAACACAGGATGTAGTGGT
 GTATGACCAGAGCACACGAGATGCCAGCGTGGCAGCAGACAGCTTCCATGCCAC
 GCTCAGCAAGCTGGACGGCTGCTCGACAGTGTGGCCATCCACAGGAGGCTCGCCAC
 CTTCTCCTCTGCTTCCCTGGCCTCTGTGAGGGCAAGCCTGCCACTTACCGTCCATGAG
 CCTCTCTCAGCCTGCCCTGCCCAGTGTGGCCTGACCCGAATCCTGCCACCT
 CTACCTGGCTCTCAGAAAGATGTCTTGAACAAGGATCTGATGACCCAAAACGGAATAAG
 CTATGTCCTCAATGCCAGCAACTCCTGCCCTAAACCGGACTTCATCTGTGAGAGCCGTTT
 CATCGTATCCCCATCAATGACAACACTGTGAAAGCTGCTGCCCTGGCTGGACAAGTC
 CATCGAGTTATTGATAAAAGCCAAGCTGTCAGCTGCAAGTCATTGTCAGTGTCTGGC
 TGGCATCTCGCTCTGCCACCATTGCCATCGCGTACATCATGAAAACCATGGCATGTC
 TTCTGACGACGCATAACAGGTTGTGAAGGATCGGCCCTCCATCTGCCCAACTCAA
 CTTCTGGGCCAGTTGCTGGAGTATGAGAGGAGTCTGAAGCTGCTGCCCTGCAGAC
 TGATGGACCTCACTGGGGACCCCTGAGCCCTCATGGGCCGGCAGCAGGCATCCACT
 GCCCCGGCTGCCACCACCTACCTCAGAGAGCGCTGCCACTGGGAGCGAGGCAGCCACCGC
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 CACCAACCGCCTCAAGCGTTCTTCCCTGGACATCAAGTCGGCTATGCACCCAGCAG
 GAGGCCGACTTCCGCCACCCGACCCGGTGAAGCCCCGAAGCTCTGCAAGCTGGA
 CAGCCCGTCTGGGGCACACTGGCCTGCCCTCGCCAGCCCAGACAGCCGGACTCCGT
 TCCAGAGTGCCCTCACGACCCCGCCGGCAGCCCCCGGCTAGTTCGCTGCCGCTC
 CCCCGCGCATGGCTGGCCTGAACTTGGAGACACGGCCGGCAGACTCCACGGCACGG
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 CTGGGTGCCCACTGGACTCCCCAGGCACACCGTCGCCAGCGCCCTGGTCTTCAG
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 GGAGTTCGAAGAGGGCATGGTGGAGGGGGGGCACGTGGCGAGGAGCTGGCAGCCCTGG
 CAAGCAAACCAGCTCTGGCAGCGTGGAGGTCACTGAAGTATCGTGAACCTTCAGAAG
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 TGGTATTAAACTGAAACAGGTTCTAAGCAATATGAGGCCACCTCAATCCAAACTGG
 GTTGACAGGCCCTGGGCCCTCCTGCCCTCCCTGGAAACATTACTGACCTTCAAA
 GAGCTGCCAGCTTCCTGCACTTTACATAAGAAAAAGGGGGGGGGAA

FIGURE 2A

**FIGURE 2B**